

STATE CORPORATION COMMISSION OF KANSAS
 OIL & GAS CONSERVATION DIVISION
 WELL COMPLETION FORM
 ACO-1 WELL HISTORY
 DESCRIPTION OF WELL AND LEASE

Operator: License # 4549

Name: ANADARKO PETROLEUM CORPORATION

Address P. O. BOX 351

City/State/Zip LIBERAL, KANSAS 67905-0351

Purchaser: ANADARKO ENERGY SERVICES

Operator Contact Person: DAVID W. KAPPLER

Phone (316) 624-6253

Contractor: Name: DUKE DRILLING

License: 5929

Wellsite Geologist: _____

Designate Type of Completion

New Well Re-Entry Workover

Oil SWD SIOW Temp. Abd.

Gas ENHR SIGW

Dry Other (Core, WSW, Expl., Cathodic, etc)

If Workover:

Operator: _____

Well Name: _____

Comp. Date _____ Old Total Depth _____

Deepening Re-perf. Conv. to Inj/SWD

Plug Back PBTB

Commingled Docket No. _____

Dual Completion Docket No. _____

Other (SWD or Inj?) Docket No. _____

8-30-97 9-8-97 9-26-97
Spud Date Date Reached TD Completion Date

API NO. 15- 189-22229 + 00-00

County STEVENS

C - NW - SW Sec. 24 Twp. 34 Rge. 39 X W

1980 Feet from X(circle one) Line of Section

660 Feet from X(circle one) Line of Section

Footages Calculated from Nearest Outside Section Corner:
NE, SE, NW or SW(circle one)

Lease Name ISOM "A" Well # 2

Field Name FETERITA

Producing Formation MORROW

Elevation: Ground 3288.8 KB _____

Total Depth 6800 PBTB 6265

Amount of Surface Pipe Set and Cemented at 1777 Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set 3220 Feet

If Alternate II completion, cement circulated from _____

feet depth to _____ w/ _____ sx cmt.

Drilling Fluid Management Plan Alt. 1, 4-2-98 U.C.
(Data must be collected from the Reserve Pit)

Chloride content 1400 ppm Fluid volume 700 bbls

Dewatering method used DRY, BACKFILL & RESTORE LOCATION

Location of fluid disposal if hauled offsite: _____

Operator Name _____

Lease Name _____ License No. _____

4 1997 Quarter Sec. _____ Twp. _____ S Rng. _____ E/W

County Wichita Docket No. _____

RECEIVED
STATE CORPORATION COMMISSION
NOV 4 1997
CONSERVATION DIVISION
Wichita, Kansas

INSTRUCTIONS: An original and two copies of this form shall be filed with the Kansas Corporation Commission, 130 S. Market - Room 2078, Wichita, Kansas 67202, within 120 days of the spud date, recompletion, workover or conversion of a well. Rule 82-3-130, 82-3-106 and 82-3-107 apply. Information on side two of this form will be held confidential for a period of 12 months if requested in writing and submitted with the form (see rule 82-3-107 for confidentiality in excess of 12 months). One copy of all wireline logs and geologist well report shall be attached with this form. ALL CEMENTING TICKETS MUST BE ATTACHED. Submit CP-4 form with all plugged wells. Submit CP-111 form with all temporarily abandoned wells.

All requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Signature L. Marc Harvey
L. MARC HARVEY

Title DRILLING TECHNICAL ASSISTANT Date 10-31-97

Subscribed and sworn to before me this 31st day of October 1997.

Notary Public Freda L. Hinz

Date Commission Expires _____

FREDA L. HINZ
Notary Public - State of Kansas
My Appt. Expires 5-15-99

K.C.C. OFFICE USE ONLY

F Letter of Confidentiality Attached

C Wireline Log Received

C Geologist Report Received

Distribution

KCC SWD/Rep NGPA

KGS Plug Other (Specify)

SIDE TWO

Operator Name ANADARKO PETROLEUM CORPORATION Lease Name ISOM "A" Well # 2

Sec. 24 Twp. 34 Rge. 39 East County STEVENS
 West

INSTRUCTIONS: Show important tops and base of formations penetrated. Detail all cores. Report all drill stem tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface during test. Attach extra sheet if more space is needed. Attach copy of log.

Drill Stem Tests Taken (Attach Additional Sheets.)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input checked="" type="checkbox"/> Log	Formation (Top), Depth and Datums	<input type="checkbox"/> Sample
Samples Sent to Geological Survey	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Name	Top	Datum
Cores Taken	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	CHASE	2623	
Electric Log Run (Submit Copy.)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	COUNCIL GROVE	2955	
List All E.Logs Run: SBT-CCL-GR, DIL, ML, CNL-LDT.		WABAUNSEE	3401	
		TOPEKA	3672	
		HEEBNER	4234	
		TORONTO	4252	
		LANSING	4376	
		MARMATON	5028	
		CHEROKEE	5322	
		MORROW	5935	
		CHESTER	6454	
		STE. GENEVIEVE	6600	
		ST. LOUIS	6708	

CASING RECORD							
<input checked="" type="checkbox"/> New <input type="checkbox"/> Used							
Report all strings set-conductor, surface, intermediate, production, etc.							
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs./Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives
SURFACE	12-1/4"	8-5/8"	23.0	1777	P+ MIDCON 2/ P+	450/100	3%CC, %SK FLC/ 2%CC, %SK FLC.
PRODUCTION	7-7/8"	5-1/2"	15.5	6325	P+ MIDCON 2/ 50/50 POZ	30/160	2%CC, %SK FLC/ .75% HALAD 322, 10% SALT, %SK FLC.
			D.V. TOOL @	3220	P+ MIDCON 2	225	%SK FLC.

ADDITIONAL CEMENTING/SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	#Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate				
<input type="checkbox"/> Protect Casing				
<input type="checkbox"/> Plug Back TD				
<input type="checkbox"/> Plug Off Zone				

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)	Depth
6	6164-6172.	NONE	

TUBING RECORD	Size	Set At	Packer At	Liner Run
				<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

Date of First, Resumed Production, SWD or Inj. 10-8-97	Producing Method <input checked="" type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain)
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Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
		530	0		

Disposition of Gas: Vented Sold Used on Lease (If vented, submit ACO-18.)

METHOD OF COMPLETION: Open Hole Perf. Dually Comp. Commingled Other (Specify) _____

Production Interval: 6164-6172



JOB SUMMARY 4239-1

TICKET # 234813	TICKET DATE 8-31-97
BDA / STATE KS	COUNTY STEWENS
PSL DEPARTMENT 5001 CMT	CUSTOMER REP / PHONE JK STUCK
API / UWI #	JOB PURPOSE CODE 010

REGION North America	NWA/COUNTRY U.S.A.
MBU ID / EMP # 410105 D-43100	EMPLOYEE NAME ROBERT ELWOOD
LOCATION LIBERAL KS	COMPANY HANADARKO
TICKET AMOUNT 5. FETERITA KS	WELL TYPE 02
LEASE / WELL # ISOM A-2	DEPARTMENT 5001 CMT
	SEC / TWP / RNG 24 34 S. 39 W.

ORIGINAL

HES EMP NAME/EMP#/(EXPOSURE HOURS) :HRS	HES EMP NAME/EMP#/(EXPOSURE HOURS) :HRS	HES EMP NAME/EMP#/(EXPOSURE HOURS) :HRS	HES EMP NAME/EMP#/(EXPOSURE HOURS) :HRS
S. RAINES 43377			
C. ASHLEY 44061			
S. OWENS 52208			

HES UNIT NUMBERS	R/T MILES	HES UNIT NUMBERS	R/T MILES	HES UNIT NUMBERS	R/T MILES	HES UNIT NUMBERS	R/T MILES
38242	26	50404-6610	17				
52938-7131	24						
51984-72031	17						

Form Name _____ Type: _____
 Form Thickness _____ From _____ To _____
 Packer Type _____ Set At _____
 Bottom Hole Temp. _____ Pressure _____
 Misc. Data _____ Total Depth _____

DATE	TIME	CALLED OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
8-31-97	02:30		06:00	09:16	10:30

TOOLS AND ACCESSORIES

TYPE AND SIZE	QTY	MAKE
Float Collar Instr or Fill	1	H
Float Shoe		0
Guide Shoe RES	1	W
Centralizers S-4	4	C
Bottom Plug		H 0
Top Plug S-W-L-R	1	B
Head SCPC	1	W
Packer CMT Base	1	C
Other ANCOFIELD	1	0

WELL DATA

	NEW/USED	WEIGHT	SIZE	FROM	TO	MAX ALLOW
Casing	U	23	8 7/8	KB	1778	
Liner						
Liner						
Tbg/D.P.						
Tbg/D.P.						
Open Hole			12 1/4	13.4	1780	SHOTS/FT.
Perforations						
Perforations						
Perforations						

MATERIALS

Treat Fluid _____	Density _____	Lb/Gal
Disp. Fluid _____	Density _____	Lb/Gal
Prop. Type _____	Size _____	Lb
Prop. Type _____	Size _____	Lb
Acid Type _____	Gal. _____	%
Acid Type _____	Gal. _____	%
Surfactant _____	Gal. _____	In
NE Agent _____	Gal. _____	In
Fluid Loss _____	Gal/Lb _____	In
Gelling Agent _____	Gal/Lb _____	In
Fric. Red. _____	Gal/Lb _____	In
Breaker _____	Gal/Lb _____	In
Blocking Agent _____	Gal/Lb _____	
Perpac Balls _____	Qty. _____	
Other _____		
Other _____		
Other _____		
Other _____		

HOURS ON LOCATION		OPERATING HOURS		DESCRIPTION OF JOB
DATE	HOURS	DATE	HOURS	
				8 7/8 SURFACE
TOTAL		TOTAL		

CEMENT DATA

STAGE	SACKS	CEMENT	BULK/SKS	ADDITIVES	YIELD	LBS/GAL
	415	MEDCON	B	3% C.C., 1/4 #/SK Floccle	3.22	11.1
	100	Prem +	B	2% C.C., 1/4 #/SK Floccle	1.32	14.8

Circulating _____	Displacement _____	Preflush: Gal - BBI _____	Type _____
Breakdown _____	Maximum _____	Load & Bkdn: Gal - BBI _____	Pad: BBI - Gal _____
Average _____	Frac Gradient _____	Treatment Gal - BBI _____	Disp: BBI - Gal 111
Shut In: Instant _____	5 Min _____ 15 Min _____	Cement Slur Gal - BBI 235 + 24	
		Total Volume Gal - BBI _____	

Frac Ring #1 _____ Frac Ring #2 _____ Frac Ring #3 _____ Frac Ring #4 _____

THE INFORMATION STATED HEREIN IS CORRECT

CUSTOMER'S REPRESENTATIVE SIGNATURE _____



JOB LOG 4239-5

TICKET #	TICKET DATE
274713	5/1/97
BDA / STATE	COUNTY
KS	OSAGE
PSL DEPARTMENT	
CUSTOMER REP / PHONE	
API / UWI #	
JOB PURPOSE CODE	

REGION	NWA/COUNTRY
North America	USA
MBU ID / EMP #	EMPLOYEE NAME
10100 101300	James E. Jones
LOCATION	COMPANY
	Energy Services
TICKET AMOUNT	WELL TYPE
LEASE / WELL #	SEC / TWP / RNG
7-1-101	211 24 S 312 E

ORIGINAL

HES EMP NAME/EMP#(EXPOSURE HOURS)	HRS	HES EMP NAME/EMP#(EXPOSURE HOURS)	HRS	HES EMP NAME/EMP#(EXPOSURE HOURS)	HRS	HES EMP NAME/EMP#(EXPOSURE HOURS)	HRS

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL)(GAL)	PUMPS		PRESS. (psi)		JOB DESCRIPTION / REMARKS
				T	C	Tbg	Csg	
	0630							CALLED OUT READY 06:30
	0600							ON LOC RIG T.O.O.A
	0740							START CSG
	0855							CSG ON BOTTOM
	0907							CIRCULATE W/ RIG
	0916							HOOK TO HALLIBURTON
	0920	6.1	238					200 START LEAD CMT @ 11.1 #GAL
	0959	6	23.5					200 START TAIL CMT @ 14.8 #GAL
	1003							VAC SHUT DOWN
	1004							VAC DROP 5 WIPER TOP PLUG
	1005	5.6	106					VAC START DISP. WASH PUMPS & LEADS
	1010	2	5					350 SLOW RATE
	1026							300 PLUG DOWN
	1028							1650 RELEASE BACK FLOAT HOLDING
	1030							0 Job Complete

STATE REGISTERED
 CONSERVATION COMMISSION
 NOV 4 1997
 Winfield, Kansas

CMT Circulated to Rig ✓
 42 BALS
 24 SRS

THANK YOU FOR CALLING
 HALLIBURTON
 ROBERT, STERLING, CLINT, STAN



JOB LOG 4239-5

TICKET #	231478	TICKET DATE	7-10-77
REGION	North America	BDA / STATE	Ks
NWA/COUNTRY	Mid CONTINENT	COUNTY	STEVENS
MBU ID / EMP #	LT104 52:73	PSL DEPARTMENT	CEMENT
EMPLOYEE NAME	JOHN WOODROW	CUSTOMER REP / PHONE	O. J. STUCK
LOCATION	LIBERAL Ks	API / UWI #	ORIGINAL
COMPANY	ANADARKO	JOB PURPOSE CODE	035-2 STG-7 1-S
WELL TYPE	02		
DEPARTMENT	CEMENT		
SEC / TWP / RNG	24-345-39 W		

WELL LOCATION	S. FITZPATRICK Ks
LEASE / WELL #	ISOM A-2

EMP NAME/EMP#(EXPOSURE HOURS)	HRS	EMP NAME/EMP#(EXPOSURE HOURS)	HRS	EMP NAME/EMP#(EXPOSURE HOURS)	HRS	EMP NAME/EMP#(EXPOSURE HOURS)	HRS
T. RAYCE							
H. HUGHES 4/11/77							
S. GRANT 114639							

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL)(GAL)	PUMPS		PRESS. (psi)		JOB DESCRIPTION / REMARKS
				T	C	Tbg	Csg	
	1900							JOB READY
	1900							called out for job
	1800							on location with float equip
	1830							Rig laying down drill pipe / wait on pump truck
	1930							D.P. Layed down / lay down R-H + M-H
	2045							START RUNNING 5/8 CSG + FLT EQUIP
	2215							PLACE D.V. TOOL ON "71 ST 3220"
	2225							FINISH RUNNING CASING TO BOTTOM 6325"
	2245							HOOK UP 5/8 PIC + CIRC IRON
								START CIRCULATING WITH RIG PUMP
								THROUGH CIRCULATING / HOOK UP TO PUMP TRUCK
								1ST STAGE JOB PROCEDURE
	2314	4-5	8	✓		0/200		pump 8 BBLs FRESH WATER SPACER
	2316	4-5	10	✓		200/180		pump 10 BBLs SUPER FLUSH
	2318	5.0	8	✓		150		pump 8 BBL FRESH WATER
	2326	5.0	11.0	✓		150		Mix 30 SKS LEAD CMT AT 12.8 CP/CM
	2322	6.0	36.0	✓		125		Mix 160 SKS TAIL CMT AT 14.4 CP/CM
	2330			✓		0		THROUGH MIXING CMT / SHUT DOWN
	2332							WASH OUT PUMP + LINES / RELEASE LATCH DOWN PLUG
	2333	6-9		✓				START Displacing / pump 80 BBLs WATER + 70 BBLs mud
	2400		152	✓		400		MAX LIFT PRESSURE WAS 431 LBS BRIDGE LANDING PLUG
	2402			✓		11500		PLUG DOWN / RELEASE BACK / PLUG LATCHED
	2410					0/650		DROP OPENING DEVICE FOR D.V. TOOL
								OPEN D.V. TOOL / ESTABLISH CIRCULATION
								HOOK UP TO RIG PUMP / CIRCULATE 3 HRS
								2ND STAGE JOB PROCEDURE
	0306			✓				PLUG R-H + M-H WITH 25 SKS
	0314	6.0		✓		0/200		pump 20 BBL FRESH WATER AHEAD
			36			150		Mix 75 SKS LEAD CMT AT 11.1 CP/CM
			53			100		Mix 150 SKS TAIL CMT AT 12.8 CP/CM
	0328							THROUGH MIXING CMT / SHUT DOWN
								WASH OUT PUMP + LINES / RELEASE CLOSING PLUG
	0331	6.0				0/100		START Displacing
								MAX LIFT PRESSURE BEFORE LANDING PLUG
								PLUG DOWN / CLOSE D.V. TOOL
								RELEASE BACK, D.V. TOOL CLOSED

STATE OF KANSAS
 RECEIVED
 DIVISION OF OIL & GAS
 1907
 WICHITA, KANSAS

THANK YOU FOR CALLING HALLIBURTON
 WOODY + SA